



SARAJ DHAKAL

COMPUTER ENGINEER

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 @sarajdhakal

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 sarajdhakal.me

SUMMARY

Detail-oriented Computer Engineer with hands-on experience in fullstack development. Skilled in building responsive, user-centric web applications using React.js, Angular, Javascript HTML, CSS, and backend frameworks like PHP, Django and Flask. Familiar with RESTful APIs, database integration, and Git-based collaborative workflows. Strong problem-solving skills, quick learning ability, and a passion for creating scalable, maintainable, and visually engaging web interfaces.

SKILLS

- Programming Languages: Python, C, C++, Java, HTML , CSS, JavaScript
 - Database Management Systems: MongoDB, PostgreSQL, MySQL
 - Frameworks: MERN Stack (MongoDB, Express, React, Node.js), Angular, PHP, Django, Tailwind
 - Software Development: Full-stack development, REST API integration, Agile methodology, Git, Docker
 - AI & Machine Learning: Machine learning models, Python libraries (scikit-learn, pandas, NumPy), basic predictive analytics
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PROJECTS

SkySearch - Flight Search Engine

Tailwind CSS, Angular, Amadeus API

- Designed a responsive web platform for recommending perfect flights at best price comparing thousands of flights.
- Integrated with Amadeus API for flight details.
- Implemented complex filtering with graphs comparing price with multiple stops.

AgroGuide – AI-Powered Crop Recommendation System

MERN Stack, Flask, Machine Learning, OpenWeather API

- Built an AI-based recommendation platform that suggests suitable crops based on soil and weather conditions.
- Integrated Flask API and Random Forest algorithm for predictive analysis and eSewa payment gateway for secure transactions.
- Enhanced farmers' decision-making with accurate, data-driven recommendations and real-time weather insights.

Task Unity – Project Collaboration Platform

Django, TailwindCSS, SQLite

- Designed and developed a web-based project management system with Kanban boards, real-time chat, and task tracking to enhance team collaboration.
- Implemented user authentication, file sharing, and role-based access control for efficient project workflows.
- Improved productivity for team-based tasks through a clean and responsive interface.

Alumni Management System

PHP, Bootstrap, HTML, CSS, MySQL

- Developed a responsive web platform connecting alumni, students, and administrators for networking and collaboration.
 - Implemented modules for project showcases, event management, and job postings.
 - Ensured mobile-friendly design with a focus on accessibility and user engagement.
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WORK EXPERIENCE

Technical Support Assistant (*Part-Time*)

2021 – Present

Everest Smart Traders Pvt. Ltd.

Lalitpur, Nepal

- Provided technical assistance for smart home automation systems, ensuring reliable installations and customer satisfaction.
 - Diagnosed and resolved hardware and software issues to improve system performance.
 - Collaborated with engineers and clients to deliver smooth integration and post-sales support.
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EDUCATION

B.E. Computer Engineering

United Technical College, Pokhara University

- Graduated: 2025
- CGPA: 3.94/4.0

SLC (+2)

Aroma English Secondary School

- Graduated: 2020
- CGPA: 3.39/4.0

CERTIFICATIONS

AI and Career Empowerment

University of Maryland

August 29, 2025

Crash Course on Python

Google (Coursera)

September 7, 2025

Python for Data Science, AI

& Development

IBM (Coursera)

September 24, 2025

EVENTS

U-TEC HACKATHON Beta

Volunteer • December 2024

United Tech Fusion 2080

Volunteer • December 2023

U-TEC HACKATHON Alpha

Logistics • November 2022

Startup & Idea Fest 2022

Volunteer • May 2022

LANGUAGES

- Nepali – Native
- English – Proficient
- Hindi – Proficient